

## 510(k) Summary

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**Introduction** According to the requirements of 21 CFR 807.92, the following information provides sufficient detail to understand the basis for a determination of substantial equivalence.

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**1) Submitter name, address, contact** Roche Diagnostics Corporation  
9115 Hague Rd.  
Indianapolis, IN 46250  
(317) 521-7637

Contact Person: Kerwin Kaufman

Date Prepared: October 6, 2003

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**2) Device name** Proprietary name: Preciset DAT THC and Preciset DAT THC 20 Calibrators  
Common name: Calibrators, Drug Specific  
Classification name: Clinical Toxicology Calibrator

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**3) Predicate devices** We claim substantial equivalence to the currently marketed Roche calibrators:  
Abuscreen OnLine THC Calibration Pack 20, cleared in 510(k) K961726.

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## 510(k) Summary, Continued

K033246

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### 4) Device Description

Roche Preciset DAT THC calibrators contain 6 levels of cannabinoids, prepared by the quantitative addition of  $\Delta^9$ -THC-COOH to drug-free human urine. Drug concentrations are verified by GC/MS. The calibrator set contains six levels of cannabinoids in bottles 1-6. Bottle 1 is negative (drug free) human urine, followed by bottles 2-6 containing increasing amounts of cannabinoids. The respective target concentrations of cannabinoids included is as follows:

$\Delta^9$ -THC-COOH: 0, 20, 50, 100, 200, 300 ng/ml

Roche Preciset DAT THC 20 calibrators contain 5 levels of cannabinoids, prepared by the quantitative addition of  $\Delta^9$ -THC-COOH to drug-free human urine. Drug concentrations are verified by GC/MS. The calibrator set contains five levels of cannabinoids in bottles 1-5. Bottle 1 is negative (drug free) human urine, followed by bottles 2-5 containing increasing amounts of cannabinoids. The respective target concentrations of cannabinoids included is as follows:

$\Delta^9$ -THC-COOH: 0, 10, 20, 40, 100 ng/ml

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### 5.) Intended Use

The Preciset DAT THC calibrators are designed for the calibration of the Roche assays for cannabinoids in human urine on automated clinical chemistry analyzers.

The Preciset DAT THC 20 calibrators are designed for the calibration of the Roche assays for cannabinoids in human urine on automated clinical chemistry analyzers.

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**6.) Comparison to the Predicate Device**

The Roche Preciset DAT THC and Preciset DAT THC 20 calibrators are substantially equivalent to other products cleared for commercial distribution intended for similar use. Most notably, they are substantially equivalent to the currently marketed Roche Abuscreen OnLine THC Calibration Pack 20, manufactured for Roche Diagnostics and cleared in 510(k) submission K961726 by Roche Diagnostics.

The Preciset DAT THC calibrators contain 6 levels of cannabinoids, prepared by the quantitative addition of  $\Delta^9$ -THC-COOH to drug-free human urine with added preservative. The Preciset DAT THC 20 calibrators contain 5 levels of cannabinoids, prepared by the quantitative addition of  $\Delta^9$ -THC-COOH to drug-free human urine with added preservative.

The predicate device, Abuscreen OnLine THC Calibration Pack 20, contains 5 levels of cannabinoids, prepared by the quantitative addition of  $\Delta^9$ -THC-COOH to drug-free human urine with added preservatives.

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DEPARTMENT OF HEALTH & HUMAN SERVICES

Food and Drug Administration  
2098 Gaither Road  
Rockville MD 20850

DEC - 2 2003

Mr. Kerwin Kaufman  
Regulatory Affairs Consultant  
Roche Diagnostics Corporation  
9115 Hague Road, P.O. Box 50457  
Indianapolis, IN 46250-0457

Re: k033246  
Trade/Device Name: Preciset DAT THC Calibrators and  
Preciset DAT THC 20 Calibrators  
Regulation Number: 21 CFR 862.3200  
Regulation Name: Clinical toxicology calibrator  
Regulatory Class: Class II  
Product Code: DLJ  
Dated: October 6, 2003  
Received: October 7, 2003

Dear Mr. Kaufman:

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

If your device is classified (see above) into either class II (Special Controls) or class III (PMA), it may be subject to such additional controls. Existing major regulations affecting your device can be found in Title 21, Code of Federal Regulations (CFR), Parts 800 to 895. In addition, FDA may publish further announcements concerning your device in the Federal Register.

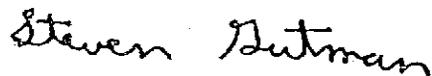
Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's requirements, including, but not limited to: registration and listing (21 CFR Part 807); labeling (21 CFR Parts 801 and 809); and good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820).

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This letter will allow you to begin marketing your device as described in your Section 510(k) premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus, permits your device to proceed to the market.

If you desire specific information about the application of labeling requirements to your device, or questions on the promotion and advertising of your device, please contact the Office of In Vitro Diagnostic Device Evaluation and Safety at (301) 594-3084. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21CFR Part 807.97). You may obtain other general information on your responsibilities under the Act from the Division of Small Manufacturers, International and Consumer Assistance at its toll-free number (800) 638-2041 or (301) 443-6597 or at its Internet address <http://www.fda.gov/cdrh/dsma/dsmamain.html>.

Sincerely yours,



Steven I. Gutman, M.D., M.B.A.  
Director  
Office of *In Vitro* Diagnostic Device  
Evaluation and Safety  
Center for Devices and  
Radiological Health

Enclosure

# Indications for Use Statement

510(k)  
Number (if  
known):

K 033246

Device Name: **Preciset DAT THC Calibrators and  
Preciset DAT THC 20 Calibrators**

Indications  
for Use:

The Preciset DAT THC calibrators are designed for the calibration of the Roche assays for cannabinoids in human urine on automated clinical chemistry analyzers.

The Preciset DAT THC 20 calibrators are designed for the calibration of the Roche assays for cannabinoids in human urine on automated clinical chemistry analyzers.

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PAGE IF NEEDED)

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Concurrence of CDRH, Office of Device Evaluation (ODE)

Prescription Use  OR Over-the-Counter Use   
(Per 21 CFR 801.109)

(Optional format 1-2-96)

Albert Satis  
Division Sign-Off for Jean Cooper

Office of In Vitro Diagnostic Device  
Evaluation and Safety

510(k) K033246